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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/614,634	07/07/2003	James D. Coburn	98AB083-C	2199
75	90 01/12/2006		EXAMINER	
Susan M. Dona	ahue		LE, JO	ни н
Rockwell Auton			ART UNIT	PAPER NUMBER
1201 South Second Street, 704-P Milwaukee, WI 53204-2496				PAPER NUMBER
			2863	
			DATE MAIL ED: 01/12/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
Office Action Cummon.	10/614,634	COBURN ET AL.	PW				
Office Action Summary	Examiner	Art Unit					
	John H. Le	2863					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	dress				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1) Responsive to communication(s) filed on							
	action is non-final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.					
Disposition of Claims							
<u> </u>							
 4) Claim(s) 1-55 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 							
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-55</u> is/are rejected.							
7) Claim(s) <u>1-55</u> is/are objected to.							
8) Claim(s) are subjected to.							
and easily easily and easily	olosion roquitornom.						
Application Papers							
9) The specification is objected to by the Examiner.							
10)⊠ The drawing(s) filed on <u>07 July 2003</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PT	O-152.				
Priority under 35 U.S.C. § 119							
12)☐ Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)	-(d) or (f).					
a) ☐ All b) ☐ Some * c) ☐ None of:	p	(-) -: (-).	·				
1. Certified copies of the priority documents	s have been received.						
2. Certified copies of the priority documents		on No					
3. ☐ Copies of the certified copies of the prior			Stage				
application from the International Bureau	(PCT Rule 17.2(a)).		· ·				
* See the attached detailed Office action for a list of	` ' ' '	d.					
	·						
Attachment(s)							
1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)					
Paper No(s)/Mail Date							
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 7/7/03.	5) Notice of Informal Pa	atent Application (PTC)-152)				
p-:							

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DETAILED ACTION

Information Disclosure Statement

1. The information disclosure statement filed 07/07/2003 fails to comply with the provisions of 37 CFR 1.97, 1.98 and MPEP § 609 because reference number 1 and reference number 9 (in Other Prior Art) do not have date. It has been placed in the application file, but the information referred to therein has not been considered as to the merits. Applicant is advised that the date of any re-submission of any item of information contained in this information disclosure statement or the submission of any missing element(s) will be the date of submission for purposes of determining compliance with the requirements based on the time of filing the statement, including all certification requirements for statements under 37 CFR 1.97(e). See MPEP § 609

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (f) he did not himself invent the subject matter sought to be patented.
 (g)(1) during the course of an interference conducted under section 135 or section 291, another inventor involved therein establishes, to the extent permitted in section 104, that before such person's invention thereof the invention was made by such other inventor and not abandoned, suppressed, or concealed, or (2) before such person's invention thereof, the invention was made in this country by another inventor who had not abandoned, suppressed, or concealed it. In determining priority of invention under this subsection, there shall be considered not only the respective dates of conception and reduction to practice of the invention, but also the reasonable diligence of one who was first to conceive and last to reduce to practice, from a time prior to conception by the other.
- 3. Claims 1-55 are rejected under 35 U.S.C. 102(f) because the applicant did not invent the claimed subject matter. The specification of Hoskins et al. (USP 6,268,853) is

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the same as that of this instant application. Therefore, the specification of Coburn et al obviously contains the apparatus-type claims and the method-type claims of this application.

4. Claims 1-55 are rejected under 35 U.S.C. 102(g) as being anticipated by Hoskins et al. (USP 6,268,853).

The specification of Coburn et al. is the same as that of this instant application.

Therefore, the specification of Hoskins et al obviously contains the apparatus-type claims and the method-type claims of this application.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

((e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. Claims 1-55 are rejected under 35 U.S.C. 102(e) as being anticipated by Hoskins et al. (USP 6,108,662).

The applied reference has a common assignee with the instant application.

Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in

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the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

Regarding claim 1 and 35, Hoskins et al. teach an apparatus to be used with a system including a simulator and a controller, the apparatus for generating code and simulation information for use by the controller and the simulator, respectively (see abstract, col.4, lines 36-49, col.14, lines 33-47, col.70, lines 36-53), the apparatus comprising: a database including at least one control assembly (CA) for at least one resource type, the at least one CA encapsulating logic information corresponding to the at least one resource type (see abstract, col.7, lines 31-33, col.14, lines 48-58, col.80, lines 50-60); an editor for identifying at least one instance of at least one CA corresponding to at least one resource (see col.12, lines 57-65, col.81, lines 50-67), a processor running a program to perform the steps of: using the at least one identified CA to generate code for the corresponding at least one resource; and using the at least one identified CA instance to generate simulation information for the corresponding at least one resource (see col.4, lines 31-49, col.81, lines 50-67).

Regarding claims 23 and 47, Hoskins et al. teach A control assembly (CA) set for generating code and simulation information for use by a controller and a simulator, respectively, wherein, the controller runs the code to generate output signals for controlling at least one resource (see abstract, col.4, lines 36-49, col.14, lines 33-47), the CA set comprising: at least one CA corresponding to at least one resource type (see abstract, col.7, lines 31-33, col.14, lines 48-58, col.80, lines 50-60), each CA including: material containing logic to facilitate the generation of code for the corresponding

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resource type (see abstract, col.7, lines 31-33, col.14, lines 48-58, col.70, lines 36-53, col.80, lines 50-60); and simulation material useable to generate simulation information for the corresponding resource type (see col.4, lines 31-49, col.81, lines 50-67).

Regarding claim 2-22, 24-34, 36-46, and 48-55, Hoskins et al. teach the processor executes the program to further perform the step of providing the code and the simulation information to the controller and the simulator (see abstract, col.7, lines 49-56, col.9, lines 1-14, col.21, 58-62), respectively; the step of using the at least one identified CA instance to generate code includes compiling the at least one identified CA instance logic to generate the code (see col.36, lines 46-67); generate simulation information includes gleaning the information from the at least one identified CA and using the gleaned information to generate the simulation information (see col.51, lines 54-62, col.55, lines 29-38); at least one of the CAs also encapsulates simulation information for a corresponding at least one resource and wherein the processor gleans by retrieving the simulation information (see Col.7, lines 20-34); the controller is a programmable logic controller that provides I/O combination output signals, the simulator is a module that displays visual representations of resources cycling through activities, at least a subset of the encapsulated simulation information includes I/O combinations correlated with specific visual representations in a table and wherein the processor gleans by accessing the table and retrieving the correlated combination/representation information (see col.35, lines 38-49); the controller also accepts feedback signals, at least a subset of the encapsulated simulation information further includes I/O feedback combinations correlated with specific simulation events in

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a feedback table and the processor gleans by accessing the feedback table and retrieving the correlated feedback combination/simulation event information (see col.14, lines 28-32); the gleaned information includes a first simulation information set and at least a second simulation information set is accessible to the processor and the processor performs the step of using the gleaned information by combining the first and second simulation information sets for each instantiated CA to generate a separate data structure for each instantiated CA (see col.51, lines 54-62, col.55, lines 29-38); the controller accepts feedback signals and, wherein, the simulation information is useable by the simulator to generate simulation feedback signals indicating simulation events (see col.14, lines 28-32); the simulation information is useable by the simulator to generate visual representations of resources cycling through activities (see col.82, lines 38-59).

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to John H. Le whose telephone number is 571 272 2275. The examiner can normally be reached on 9:00 - 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E. Barlow can be reached on 571 272 2269. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For

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more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

John H. Le

Patent Examiner-Group 2863

January 9, 2006

BRYAN BUI PRIMARY EXAMINER

1/9/06